

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/04640

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01R31/04 G01R27/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 365 180 A (EDELMAN RAN) 15 November 1994 (1994-11-15)	1,4,5, 10-15, 18,19, 22,23, 28-32, 35-37
Y	column 1, line 15 - line 20	6-9,16, 17, 24-27,34
A	column 2, line 5 - line 27 column 3, line 4 - line 14 column 3, line 24 - line 57 figure 1 claim 1	2,3,20, 21,33

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family.

Date of the actual completion of the international search

21 October 2004

Date of mailing of the international search report

05. 11. 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 622 733 A (SGS THOMSON MICROELECTRONICS) 2 November 1994 (1994-11-02) abstract column 2, line 15 - line 18 column 4, line 1 - line 17 claims 1,5,14 figure 5	10,28
A	US 5 786 700 A (JEN KEH-CHEE ET AL) 28 July 1998 (1998-07-28) abstract figures 2,3	10,28
Y	ROBINSON C ED - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "ANALOG AC HARMONIC METHOD FOR DETECTING SOLDER OPENS" PROCEEDINGS OF THE INTERNATIONAL TEST CONFERENCE. ITC '97. WASHINGTON, DC, NOV. 1 - 6, 1997, INTERNATIONAL TEST CONFERENCE, NEW YORK, NY : IEEE, US, vol. CONF. 28, 1 November 1997 (1997-11-01), pages 125-126, XP000800318 ISBN: 0-7803-4210-0 page 125, column 1, paragraph 1 - column 2, paragraph 2	6-9,16, 17, 24-27,34
A	MINOWA I ET AL: "Nonlinear distortion voltage testing of contact surfaces" CONFERENCE PROCEEDINGS ARTICLE, 26 September 1988 (1988-09-26), pages 277-280, XP010077325 page 277, column 1, paragraph 1	6

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5365180	A	15-11-1994	NONE	
EP 0622733	A	02-11-1994	EP 0622733 A1	02-11-1994
			DE 69312263 D1	21-08-1997
			DE 69312263 T2	30-10-1997
			JP 7146327 A	06-06-1995
			US 5521511 A	28-05-1996
US 5786700	A	28-07-1998	NONE	